

LIST OF PUBLICATIONS USING OPTSIM ®

Paper title	Author's Name	Publcation	Year
Design and performance analysis of multiple all optical logic gates in a single photonic circuit	Arun, V., Shukla, N.K., Singh, A.K. and Singh, P.	Optical and Quantum Electronics, 48(1), pp.1-13.	2016
Energy efficiency in WDM fiber-optical links considering OADM/OXC nodes	Aleksejs Udalcovs, Vjaceslavs Bobrovs	Optics Communications, Volume 359, Pages 102–108	2016
Effect of Add Drop of Channels on The Performance of Hybrid Amplifier	Vineet Anand, Anurag Sharma	International Journal for Science, Management and Technology, Vol. 4, No.1, pp. 6-11	2016
Research on Optical Communication System based on Dispersion Compensation Fiber and Nonlinear Effect	ZHANG Yajuan	International Conference on Intelligent Systems Research and Mechatronics Engineering	2015
TRANSIENT MITIGATION OF MULTICHANNEL LONG-HAUL DWDM OADM RING NETWORK	PREET KANWAL, Dr. JAGJIT MALHOTRA	International Journal of Engineering Research, Vol.3., Issue.3,	2015
A Fabrication Study on DCF Compensated SMF using Optsim Simulation Software	Anil Kumar, Dr. Mahipal Singh	International Journal of Advanced Research in Computer and Communication Engineering, Vol. 4, Issue 8	2015
Performance Analysis of 20Gbps Optical Transmission System Using Fiber Bragg Grating	Aashima Bhardwaj , Gaurav Soni	International Journal of Scientific and Research Publications, Volume 5, Issue 1	2015
Influence of Nonlinear Optical Effects on the NRZ and RZ Modulation Signals in WDM Systems	V. Bobrovs, J. Porins, G. Ivanovs	Elektronika ir Elektrotehnika, 76(4), pp.55-58.	2015
Performance Comparison Of Optical Amplifiers And their Hybrid Configurations In 8x10 Gbps WDM Based Optical Network	Upma, Poonam Singal	International Journal of Engineering Research and General Science Volume 3, Issue 3,	2015
Performance analysis of communication links based on VCSEL and silicon photonics technology for high-capacity data-intensive scenario	A. Boletti, P. Boffi, P. Martelli, M. Ferrario, and M. Martinelli	Optics Express, Vol. 23, Issue 2, pp. 1806-1815	2015
Simulation and Performance Evaluation of OTDM in Optical Communication System	Mary Magleena Bruno, Sujith Kumar V	International Journal of Engineering Research & Technology (IJERT), Vol. 4 Issue 01	2015
Optimization model for UDWDM-PON deployment based on physical restrictions and asymmetric user's clustering	Germán V. Arévalo ; Roberto C. Hincapié ; Javier E. Sierra	SPIE Proceedings, Volume 9626	2015
Investigation on the Performance of Eight Channel Wavelength Division Multiplexing System Using Erbium?Doped Fibre Amplifier	P. RESHMI, ATHIRA J. NAIR, S. K. SUDHEER* and V. P. MAHADEVAN PILLAI	Knowledge of Research, 2015, 2(2), pp 112-116 DOI:10.7598/kor2015.153	2015
Performance Investigation of CRZ Modulation Format in GEAPON Fiber to the Home (FTTH) Network at 2.5G/bits for 200 ONU's	Parkash, S., Bhatia, P.K., Kumar, D. and Kaur, H	Advances in Computing and Communication Engineering (ICACCE), Second International Conference on (pp. 360-365). IEEE.	2015
Performance Monitoring of Optical Network using Bit Error Rate	Ankush Chaudhary, Karamjit Kaur, Anil Kumar	International Journal on Recent and Innovation Trends in Computing and Communication, Volume: 3 Issue: 5, pp. 2807	2015
Self-phase modulation-based multiple carrier generation for radio over fiber duplex baseband communication	Aamir Gulistan, , Salman Ghafoor	Photonic Network Communications, 29(2), pp.133-137.	2015
Realization of Optimal FBG Band-Pass Filters for High Speed HDWDM	Ozoliņš, O. and Ivanovs, Ģ.	Elektronika ir Elektrotehnika, 92(4), pp.41-44.	2015

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Photon Ranging for Upstream ONU Activation Signaling in TWDM-PON	L. Bertignono, V. Ferrero, Member, IEEE, M. Valvo and R. Gaudino Senior Member, IEEE	Lightwave Technology, Journal of (Volume:PP , Issue: 99)	2015
Self-phase modulation-based multiple carrier generation for radio over fiber duplex baseband communication	Aamir Gulistan, Salman Ghafoor	Photonic Network Communications, 29(2), pp.133-137.	2015
Investigation of Minimal Channel Spacing in HDWDM Systems	V. Bobrovs, G. Ivanovs	Elektronika ir Elektrotehnika, 92(4), pp.53-56.	2015
Performance Evolution of Full Adder Using Mach-Zehnder Interferometer and Polarization Effect on WDM Channels	Middha, P. and Malhotra, M.	International Journal of Engineering Trends and Technology (IJETT) – Volume 22 Number 9-April 2015	2015
Evaluation of Band-Pass Filters Influence on NRZ Signal in HDWDM Systems	O. Ozoliņš, Ģ. Ivanovs	Elektronika ir Elektrotehnika, 100(4), pp.65-68.	2015
Analysis of Optical Modulators over Free Space Optics	Monika Rani , Prof. Gitanjali Pandove	IJSART - Volume 1, Issue 8	2015
An Evaluation of the Proposed RAMAN-EDFA Hybrid Optical Amplifier	Priya; Saini, Himanshi; Garg, Amit Kumar	IUP Journal of Electrical & Electronics Engineering, 8(2).	2015
Performance Evaluation of Star Topology in Fiber Optic Communication	Lakshmi A Nair , Lakshmy G B	International Journal of Science and Research (IJSR), Volume 4 Issue 2	2015
Optimization of Reflective FDMA-PON Architecture to Achieve 32 Gb/s Per Upstream Wavelength Over 31 dB ODN Loss	Stefano Straullu, Paolo Savio, Joana Chang, Valter Ferrero, Antonino Nespola, Roberto Gaudino, and Silivo Abrate	Journal of Lightwave Technology, Vol. 33, Issue 2, pp. 474-480	2015
Investigation of Mixed Data Rate and Format Transmission in WDM Networks	V. Bobrovs, G. Ivanovs	Elektronika ir Elektrotehnika,84(4), pp.67-70.	2015
Investigation of channel spacing for Hermite-Gaussian mode division multiplexing in multimode fiber	Amphawan, A., Fazea, Y. and Ibrahim, H.	Signal Processing & Its Applications (CSPA), 2015 IEEE 11th International Colloquium on (pp. 34-39). IEEE.	2015
Dependence of the bit error rate on the signal power and length of a single-channel coherent single-span communication line (100 Gbit s-1) with	N V Gurkin, V A Konyshov, O E Nanii, A G Novikov, V N Treshchikov and R R Ubaydullaev	Quantum Electronics, 45(1), p.69	2015
Photonic Approach to Wide-Frequency-Range High-Resolution Microwave/Millimeter-Wave Doppler Frequency Shift Estimation	Xihua Zou, Member, IEEE, Wangzhe Li, Member, IEEE, Bing Lu, Wei Pan, Lianshan Yan, Senior Member, IEEE,	IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, VOL. 63, NO. 4, pp. 1421-1430	2015
Impact of SRS in WDM Systems and Its Mitigation by Maximum Likelihood Sequence Detection	T. Sabapathi, G. Jaya Brindha	International Journal of Scientific Engineering and Technology, Volume No.4 Issue No.4, pp. 229-242	2015
Investigation of Different Modulation Formats Simultaneous Transmission in WDM Systems	V. Bobrovs, G. Ivanovs	Elektronika ir Elektrotehnika, 103(7), pp.109-112.	2015
Influence of Stimulated Raman Scattering on Transmitted Optical Signal in WDM System	Ján Ružbarský, Ján Turán, Ľuboš Ovseník	Carpathian Journal of Electronic and Computer Engineering 8/2, pp. 23-26	2015

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5 × 5 25 Gbit/s WDM-MDM	Yousef Fazea, Angela Amphawan	Journal of Optical Communications. Volume 36, Issue 4, Pages 327–333	2015
Comparative Analysis Of Radio Over Fiber Link Types	Diksha, Gitanjali Pandove	International Journal of Emerging Trends in Electrical and Electronics, Vol. 10, Issue. 3, pp. 21-24	2015
Compact Modeling and System Implications of Microring Modulators in Nanophotonic Interconnects	Rui Wu, Chin-Hui Chen, Jean-Marc Fedeli, Maryse Fournier, Raymond G. Beausoleil, and Kwang-Ting Cheng	System Level Interconnect Prediction (SLIP), 2015 ACM/IEEE International Workshop on (pp. 1-6). IEEE.	2015
Variable-Precision Distributed Arithmetic (VPDA) MIMO Equalizer for Power-and-Area-Efficient 112 Gb/s Optical DP-QPSK Systems	Soon-Won Kwon and Hyeon-Min Bae	JOURNAL OF LIGHTWAVE TECHNOLOGY, VOL. 31, NO. 2, pp. 282-294	2015
Numerical Generation of Laser Resonance Phase Noise for Optical Communication Simulators	Seán P. Ó Dúill, Aravind P. Anthur, Tam N. Huynh, Sepideh T. Naimi, Lim Nguyen, Deepa Venkitesh and Liam	Applied optics, 54(11), pp.3398-3406.	2015
Performance Optimization of 45-Channel Superdense Wavelength-Division-Multiplexed (SDWDM) Optical Add–Drop Multiplexer (OADM)	Vikrant Sharma, Anurag Sharma, Dalvir Kaur	Journal of Optical Communications. Volume 36, Issue 2, Pages 131–135	2015
Performance investigation of the OFDM over SMF	Devendra Kr. Tripathi, Pallavi Singh, N. K. Shukla, H. K. Dixit	Optical and Quantum Electronics, Volume 47, Issue 3, pp 643-662	2015
Performance Enhancement of Multichannel Gigabit Rate Bidirectional WDM-PON Using RSOA and Optimized Modulation Format	Sooraj Parkash, Anurag Sharma, Harsukhpreet Singh	Journal of Optical Communications.	2015
The Effect of Stimulated Brillouin Scattering on WDM-PON	I. Լašuks	Elektronika ir Elektrotechnika, 103(7), pp.105-108	2015
MDM of Hybrid Modes in Multimode Fiber	Angela Amphawan, Yousef Fazea, Mohd Samsu Sajat, Roslinda Murad, Hajar Alias	Proceeding of the Electrical Engineering Computer Science and Informatics, 2(1).	2015
Reach extendibility of passive optical network technologies	Gillani, S.M.F.S.F., Khan, M.A. and Shahid, M.K.	Optical Switching and Networking,18, pp.211-221.	2015
Impact of Linear and Nonlinear Effects in the Requirements of the Transmitter Linewidth for WDM-DPSK Systems	Guerrero, J.A. and Fernandez, F.O.A.	UIS Ingenierías, Volumen 14, No. 2, pags. 35–45	2015
Implementation of Optical OFDM Based System for Optical Networks	B U Rindhe, Jyothi Digge, S K Narayankhedkar	International Journal of Electrical and Computer Engineering (IJECE), Vol 4, No 5	2014
ULTRAFast ALL-OPTICAL INVERT LOGIC GATE DERIVED FROM SINGLE SOA BASED STRUCTURE	Rupinder Kaur , Simranjit Singh	International Journal For Technological Research In Engineering Volume 1, Issue 11	2014
Comparison between Duobinary Filter and Delay-And-Add Technique of Duobinary Transmission in Fiber Optic Communication System	Tawsif Hyder	IOSR Journal of Electronics and Communication Engineering, Volume 9, Issue 3, pp. 71-81	2014
Performance Evaluation using MQAM Modulated Optical OFDM Signals.	Kaur, H.J. and Singh, D.M.,	ACEEE Proc. Of Int. Conf. on Recent Trends in Information, Telecommunication and Computing, ITC (pp. 74-157).	2014
Power efficiency of WDM networks using various modulation formats with spectral efficiency limited by linear crosstalk	Udalcovs, A., Monti, P., Bobrovs, V., Schatz, R. and Wosinska, L	Optics Communications, 318, pp.31-36.	2014
Performance analysis of Free Space Optics link at different data rates	Soni, G. and Banga, V.K	Contemporary Computing and Informatics (IC3I), International Conference on (pp. 1251-1255). IEEE.	2014

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Mobility Analysis of Optical Antenna with Acousto-Optic Scanning for Portable Devices	Syam Challa and Banmali S. Rawat	INTERNATIONAL JOURNAL OF MICROWAVE AND OPTICAL TECHNOLOGY, VOL.9, NO.1	2014
400Gb/s in a single spectral channel of hybrid optical transmission system with 100 digital channels	Bikmetov, R., Raja, M. and Kazi, K.	High-capacity Optical Networks and Emerging/Enabling Technologies (HONET), 2014 11th Annual (pp. 159-163). IEEE.	2014
Analysis of free space optical link in turbulent atmosphere	Vats, A. and Kaushal, H.	Optik-International Journal for Light and Electron Optics, 125(12), pp.2776-2779.	2014
Cost effective WDM-AON with multicarrier source based on dual-pump FOPA	Olonkins, S., Spolitis, S., Lyashuk, I. and Bobrovs, V.	Control Systems and Workshops (ICUMT), 2014 6th International Congress on (pp. 23-28). IEEE	2014
Secured High Speed Transmission in Optical Communication Systems	Afreenzehra Sayed, Lochan Jolly	International Journal of Science, Engineering and Technology Research (IJSETR), Volume 3, Issue 12, pp. 3335-3340	2014
Realization of All Optical Full Adder by Utilizing DM Soliton Pulses	Raj, Ank; Bhambri, Kadam; Gupta, Neena	International Journal of Computer Applications, Volume 96– No.19	2014
Simulation of bidirectional traffic in WDM-PON networks	Sifta, R., Munster, P., Krajsa, O. and Filka, M.	Przeglad Elektrotechniczny,90(1), pp.95-100.	2014
BER and Q-Value Performance Analysis of WDM Network Using DPSK Modulation Format	Vandana , Gitanjali Pandove	International Journal of Advanced Research in Computer Engineering & Technology (IJARCET), Volume 3, Issue 7, pp.2409-2415	2014
PMD tolerance of 107 Gb/s PM-QPSK system at optimum transmitting power	Abu Taher, K., Majumder, S.P. and Rahman, A.	Electrical and Computer Engineering (ICECE), 2014 International Conference on (pp. 36-39). IEEE.	2014
PERFORMANCE EVALUATION OF WDM SYSTEMS INCLUDING THE EFFECT OF CROSS PHASE MODULATION FOR DIFFERENT MODULATION SCHEMES	Kavita Devi, Shelly Singla	Progress In Science and Engineering Research Journal, Vol.02, Issue: 05/06, Page(s) 181-184	2014
Application of the erbium-doped fiber amplifier (EDFA) in wavelength division multiplexing (WDM) transmission systems	G. Ivanovs, V. Bobrovs, S. Olonkins, A. Aelsevska, L. Gegere, R. Parts, P. Gavars and G. Lauks	International Journal of Physical Sciences, 9(5), pp.91-101.	2014
Improvement of transmission performance of adaptively modulated optical OFDM signals	Kaur, H.J. and Singh, M.L.	Optik-International Journal for Light and Electron Optics, 125(17), pp.4706-4710.	2014
An WDM-PON with downstream NRZ-DQPSK and upstream re-modelated NRZ-ASK	Chenika, A., Temmar, A. and Seddiki, O.	Communications and Networking (ComNet), 2014 International Conference on(pp. 1-3). IEEE.	2014
A Comparative Analysis of Optical Amplifiers in Optical Networks	Priya Dahiya, Himanshi Saini and Amit Kumar Garg	IUP Journal of Telecommunications,6(4), p.47.	2014
Benefits and Limits of Modulation Formats for Optical Communications	Rajdi AGALLIU, Michal LUCKI	Advances in Electrical and Electronic Engineering,12(2), p.160.	2014
Design and Transmission Performance Study of Optical TDM up to 3Tb/s	Devendra Kr.Tripathi, Pallavi Singh, N.K.Shukla, H.K.Dixit	International journal of advanced electronics and communication systems, 2(3).	2014

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Relative intensity noise suppression in reflective SOAs	Marazzi, L., Boletti, A., Parolari, P., Gatto, A., Brenot, R. and Martinelli, M.	Optics Communications, 318, pp.186-188.	2014
Different types of modulation analysis used for CATV transmission system	Kaur, A., Bhatia, K.S., Singh, S., Kaur, H. and Sharma, A.,	Optik-International Journal for Light and Electron Optics, 125(20), pp.5952-5955.	2014
Low cost solution to high capacity 32 × 32 channel FTTH duplex link employing triple play services	Malhotra, J.S., Kumar, M. and Sharma, A.K.	Optik-International Journal for Light and Electron Optics, 125(1), pp.93-96.	2014
Power efficiency vs. spectral efficiency and transmission distance in 2.5–10–40 Gbps backbone optical networks	Bobrovs, V., Udalcovs, A. and Ivanovs, G.	Communications, Control and Signal Processing (ISCCSP), 2014 6th International Symposium on (pp. 202-205). IEEE.	2014
Analysis of Confinement Factor in SOA for Optical Communication System	Aruna Rani and Sanjeev Dewra	International Conference on Communication, Computing & Systems	2014
Wideband direction finding using a photonic robust symmetrical number system technique	Thomas W. Tedesso ; James Calusdian ; Carsten Sewing ; Phillip E. Pace	Optical Engineering, 53(11), pp.114109-114109.	2014
Demonstration of Polarization Multiplexed Signals Division Using a Fiber Optical Parametric Amplifier	S. Olonkins, I. Lyashuk, and J. Porins	PIERS Proceedings.	2014
Optimization of Repeater Spacing in Optical Fiber Communication	Mr.Ashwin V. Goswami, Mr.Mayur Parmar	International Journal Of Engineering And Computer Science, Volume 3 Issue 8 , Page No. 7907-7911	2014
DESIGN AND PERFORMANCE STUDY OF TRIPLE-BAND DWDM (160 CHANNEL)	Devendra Kr.Tripathi, Pallavi Singh, N.K.Shukla, H.K.Dixit	International Journal of Applied Control, Electrical and Electronics Engineering (IJACEEE) Vol 2, No. 1, pp. 45-51	2014
Simultaneous Reduction of Four Wave Mixing and Stimulated Raman Scattering using Duobinary Modulation format in DWDM Fiber Optic	Sabapathi, T. and Gayathri, R.	International Journal of Scientific Engineering and Technology (ISSN: 2277-1581) Volume, (3).	2014
Design and Performance Analysis of 3D W/T/P MPR OCDMA System	Anisha Sihmar and Neena Gupta	International Journal of Current Engineering and Technology, Vol.4, No.3, pp. 10	2014
Performance Evaluation of Single Carrier 40-Gbit/s Downstream for Long-Reach Passive Optical Networks	X. Yin ¹ , X.Z. Qiu ¹ , G. Torfs ¹ , C. Van Praet ¹ , R. Vaernewyck ¹ , A. Vyncke ¹ , J. Verbrugge ¹ , B. Moeneclaey ¹ , M. Ruffini ² , D.P. Rayne ² , and I.	Optical Network Design and Modeling, 2014 International Conference on (pp. 162-167). IEEE.	2014
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Solutions for a Single Carrier 40 Gbit/s Downstream Long-Reach Passive Optical Network	Torfs, G., Yin, X., Vyncke, A., Verbeke, M. and Bauwelinck, J.	Telecommunications Network Strategy and Planning Symposium (Networks), 2014 16th International (pp. 1-5). IEEE.	2014
Photonic processing of ultra wide band signals to mitigate interference and to improve efficiency	Sabapathi, T. and Thanga Dharsni, I.	Communication and Network Technologies (ICCNT), 2014 International Conference on (pp. 150-153). IEEE.	2014
Performance Evaluation of RoF System by using SAMZM and DAMZM in External Modulation	Balinder Singh and Davender Singh	International Journal of Current Engineering and Technology, Vol.4, No.3 , pp. 2135-2141	2014
Demonstration of binary PoSK to OOK modulation format conversion using a single-pump fiber optical parametric amplifier	Olonkins, S., Supe, A., Lyashuk, I. and Porins, J.	Communication Systems, Networks & Digital Signal Processing (CSNDSP), 2014 9th International Symposium on(pp. 955-959).	2014

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Highly-nonlinear RSOA RIN compression	Marazzi, L., Parolari, P., Boletti, A., Gatto, A., Martinelli, M. and Brenot, R.	Networks and Optical Communications-(NOC), 2014 19th European Conference on (pp. 115-119). IEEE.	2014
Comparative Analysis of Nonlinear Transmission Impairments in WDM Optical Network	Amit Kumar Garg1 ,Rohit Vashishath2	International Journal of Engineering and Innovative Technology (IJEIT) Volume 3, Issue 11, pp. 165-172	2014
INVESTIGATIONS WITH MODE DIVISION MULTIPLEXED TRANSMISSION	Devendra Kr.Tripathi, Pallavi Singh, N.K.Shukla, H.K.Dixit	Electrical and Electronics Engineering: An International Journal (ELELIJ) Vol 3, No 3, pp. 43-51	2014
Automated Design Tools for Biophotonic Systems	Giacomo Vacca , Hannu Lehtimäki , Tapio Karras , Sean Murphy	SPIE OPTO (pp. 899202-899202). International Society for Optics and Photonics.	2014
Performance Study of DWDM Transmission	Devendra Kr.Tripathi, Pallavi Singh, N.K.Shukla, H.K.Dixit	International Journal of Advances in Engineering Sciences Vol.4, Issue 1, pp. 1-4	2014
PERFORMANCE ANALYSIS OF OPTICAL OFDM SYSTEM USING PM	BABAN U. RINDHE , KANCHAN A. HAMBARDE & S. K. NARAYANKHEDKAR	International Journal of Electrical and Electronics Engineering Research (IJEER) , Vol. 4, Issue 2, pp.307-316	2014
All Optical Wavelength Conversion Based on Cross Polarization Modulation in Semiconductor Optical Amplifier	Surinder Singh, Xiaohua Ye, and R. S. Kaler	Journal of Lightwave Technology, Vol. 31, Issue 11, pp. 1783-1792	2013
Performance Analysis of 3D OCDMA Coding Based on Model A Using GF (5) with Variable Data Rates	Shilpa Jindal & N Gupta	International Journal of Advanced Electrical and Electronics Engineering (IJAEEE), ISSN (Print) : 2278-8948, Volume-2, Issue-6	2013
Optical communication networks for industrial applications	Rawat, B.S., Thangaraj, S.V. and Pistora, J.	In Signal Processing and Communication (ICSC), International Conference on (pp. 53-56). IEEE.	2013
Comparative Study of UWB Communications over Fiber using Direct and External Modulations	V. Khanaa , Krishna Mohanta , B. Satheesh	Indian Journal of Science and Technology, 6(6), pp.4845-4847.	2013
Extended reach spectrum-sliced passive optical access network	Bobrovs Vjaceslavs, Spolitis Sandis and Ivanovs Girts	International Journal of Physical Sciences, Vol. 8(13), pp. 537-548	2013
Comparison of 3D OCDMA Models at Variable Received Power For High Speed Applications	Shilpa Jindal, N Gupta	International Journal of Scientific Engineering and Technology , Volume No. 2, Issue No. 8, pp : 793-796	2013
Modelling and Reporting Parameters of Optical OFDM System Using Different Modulation Techniques	Harsimran Jit Kaur, Maninder Lal Singh	Optics and Photonics Journal, Vol.3 No.2	2013
Design of Optical Star Coupler for 3D OCDMA system	Shilpa Jindal, Neena Gupta	Journal of Modern Internet of Things, Volume 2, Issue 1, PP. 8-12	2013
Comparative performance of Raman-SOA and RamanEDFA hybrid optical amplifiers in DWDM transmission systems	V. Bobrovs, S. Olonkins, A. Alsevska, L. Gegere and G. Ivanovs	International Journal of Physical Sciences, Vol. 8(39), pp. 1898-1906	2013

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IMPROVED OPTICAL PACKET SWITCHING USING SPACE SWITCH ARRAYS	Disha Khanna , Anuradha Kuckian , Ipsita Mishra , Dr. Lochan Jolly	International Journal of Electronics Communications and Electrical Engineering, Volume 3 Issue 1	2013
EDFA Application Research in WDM Communication Systems	V. Bobrovs, S. Berezins	Elektronika ir Elektrotehnika, 19(2), pp.92-96.	2013
Optimizing the efficiency of Fiber-Optics Technology in Telecommunications systems	Dike, J.N. and Ogbe, D.A	Emerging & Sustainable Technologies for Power & ICT in a Developing Society (NIGERCON), 2013 IEEE International Conference, pp. 135-142	2013
Research on Mixed Data Rate in WDM Networks	Li Li, Chu Ze-nan, Dong Zhao	TELKOMNIKA Indonesian Journal of Electrical Engineering,11(12), pp.7431-7437.	2013
Design and Performance investigation of multiuser OCDMA network	Parambir Singh, Manoj Kumar, Anurag Sharma	International Journal of Scientific & Engineering Research, Volume 4, Issue 7, pp 2549-2552	2013
Microwave Photonic Exciter Unit for Radar System	Vishal Maheshwari, K.Sreenivasulu, Mohit Kumar, Kishan Sharma	9th International Radar Symposium India	2013
Research on Mixed Data Rate and Format Transmission in WDM Networks	Li, Wei Jian-yi, Zhang Xiu-tai, Li Hong-an Li Hong-an	TELKOMNIKA (Telecommunication Computing Electronics and Control),11(1), pp.127-136.	2013
Cascadability of Uniform Fibre Bragg Grating for 40 Gbit/s RZ-OOK to NRZ-OOK Conversion	O. Ozolins, V. Bobrovs, G. Ivanovs	Optics and Photonics Journal, 3(02), p.337.	2013
Simulation of an All Optical Full Adder using Optical Switch	V. Khanaa, K. P. Thooyamani and T. Saravanan	Indian Journal of Science and Technology, 6(6), pp.4733-4736.	2013
Selective Mode Excitation in SCM-OCDMA	Aliaa Mamoun Kabbour' , Angela Amphawan, Hilal A. Fadhill' , Syed A Aljunid'	In IEEE 4th International Conference on Photonics (ICP).	2013
Doubling the Number of Active Users within GF (5) for 3D OCDMA System	Shilpa Jindal, Dr. Neena Gupta	INTERNATIONAL JOURNAL OF RESEARCH REVIEW IN ENGINEERING SCIENCE & TECHNOLOGY, VOLUME-2, ISSUE-2,pp 64-67	2013
RZ- Soliton Modulation Format Based Wavelength Division MultiplexedSystem Transmission Performance at Different Transmission Distance	Kapil Kashyap , Dr. Hardeep Singh , Preeti Singh , Manish Gupta	International Journal of Engineering, Business and Enterprise Applications (IJEBA), Vol. 13, No. 131, pp. 91-96	2013
Effect of chromatic dispersion on four-wave mixing in WDM systems and its suppression	Sugumaran, S. and Arulmozhivarman, P.	Emerging Trends in VLSI, Embedded System, Nano Electronics and Telecommunication System (ICEVENT), 2013 International Conference on (pp. 1-5). IEEE.	2013
Characterization of an optical communication system utilizing dispersion compensating fiber and nonlinear optical effects	Miziya, K., Sudheer, S.K. and Kuriakose, A.C.	Computing, Communications and Networking Technologies (ICCCNT), Fourth International Conference on (pp. 1-6). IEEE.	2013
Realization of all-optical OR gate using SOA XGM and DM soliton pulses	Bhambri, K., Gupta, S. and Gupta, N.	Transparent Optical Networks (ICTON), 2013 15th International Conference on (pp. 1-4). IEEE.	2013
Performance Analysis of Dispersion Compensation in WDM Optical Communication Systems	Barza Badar , Anisha A.P.	International Journal of Science and Research (IJSR),	2013

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Conversion of 40 Gbit/s RZ-OOK to NRZ-OOK with a Single Uniform Fibre Bragg Grating	Ozolins, O., Bobrovs, V. and Ivanovs, G.	ELMAR, 2013 55th International Symposium (IEEE, 2013) (pp. 121-124).	2013
Performance Analysis of Resilient FTTH Architecture with Protection Mechanism	R. Udayakumar, V. Khanaa and K. P. Kaliyamurthie	Indian Journal of Science and Technology, 6(6), pp.4737-4741.	2013
Enhancement in performance of 15Gbps Receiver using Single pump Raman Amplifier	MS. SHEETAL K PATEL, MS.DRASHTI A VYAS, PROF. SHAILESH B KHANT	JOURNAL OF INFORMATION, KNOWLEDGE AND RESEARCH IN ELECTRONICS AND COMMUNICATION ENGINEERING, VOLUME – 02, ISSUE - 02, pp. 592-596	2013
Tiering effect of solid-core photonic crystal fiber on controlled coupling into multimode fiber	Angela Amphawan, Nashwan M. A. Al Samman	SPIE Optical Engineering+ Applications (pp. 88470Y-88470Y). International Society for Optics and Photonics.	2013
Performance Evaluation of a Square Lattice Micro-Structure Optical Fibre in Communication & Multiplexing Technique	Avizit Basak & Mohibur Rahman	Communication & Multiplexing Technique.Global Journal of Researches In Engineering, 13(12).	2013
Performance Analysis of a Two Channel Optical WDM System using Binary and Duo Binary Modulation Formats	V. Khanaa, Krishna Mohanta and T. Saravanan	Indian Journal of Science and Technology, 6(6), pp.4726-4732.	2013
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